

SEQUENCE LISTING

<110> Yu, Su-May

<120> PLANT MYB GENES

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<150> US 60/399,999

<151> 2002-07-31

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<212> DNA

<213> Oryza sativa (japonica cultivar-group)

<220>

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Ala	Ala	Ala	Ala	Ala	Ala	Ala	Trp	Thr	Arg	Glu	Asp	Asp	Lys	Ala	Phe	Glu	
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aac	gcg	ctc	gcg	gct	tgc	gcg	gcg	ccg	ccg	ccc	gcg	gac	gga	ggc	gcg		148
Asn	Ala	Leu	Ala	Ala	Cys	Ala	Ala	Pro	Pro	Pro	Ala	Asp	Gly	Gly	Ala		
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Pro	Asp	Asp	Asp	Trp	Phe	Ala	Ala	Leu	Ala	Ala	Ser	Val	Pro	Gly	Ala		
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agg	tcg	gcg	gag	gag	gtg	cgg	agg	cac	tac	gag	gcg	ctg	gtg	gag	gac		244
Arg	Ser	Ala	Glu	Glu	Val	Arg	Arg	His	Tyr	Glu	Ala	Leu	Val	Glu	Asp		
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Glu	Glu	Ser	Ala	Ala	Pro	Pro	Asp	Gly	Ala	Gly	Ala	Ala	Ala	Ala	Ala		
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Ser	Lys	Asp	Gly	Gly	His	Arg	Arg	Asp	Glu	Arg	Lys	Gly	Gly	Gly	Gly		

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Gly Tyr Asp Gly Gly Lys Ser Cys Ser Lys Ala Glu Gln Glu Arg Arg			
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Lys Gly Ile Pro Trp Thr Glu Glu Glu His Arg Leu Phe Leu Leu Gly			
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ctg gac aag ttc ggc aag ggg gac tgg cgg agc atc tcg cgc aac ttc			532
Leu Asp Lys Phe Gly Lys Gly Asp Trp Arg Ser Ile Ser Arg Asn Phe			
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gtc atc tcg cgg acg cca acg cag gtg gcg agc cac gcg cag aag tac			580
Val Ile Ser Arg Thr Pro Thr Gln Val Ala Ser His Ala Gln Lys Tyr			
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Phe Ile Arg Leu Asn Ser Met Asn Arg Asp Arg Arg Arg Ser Ser Ile			
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His Asp Ile Thr Ser Val Thr Ala Gly Asp Gln Val Ala Ala Gln Gln			
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Gly Ala Pro Ile Thr Gly His Gln Ala Thr Gly Asn Pro Ala Ala Ala			
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gcg ctg ggc ccg ccg ggc atg aag cac cac cac cac cac ccg ggc			772
Ala Leu Gly Pro Pro Gly Met Lys His His His His His His Pro Gly			
240	245	250	
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Gly Ala Pro Pro Pro Met Pro Met Tyr Ser Ala Ala Pro Met Gly His			
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ccc gtc gcc ggc cac atg gtg ccc gcc gcc gtc ggc acg ccg gtg gtg			868
Pro Val Ala Gly His Met Val Pro Ala Ala Val Gly Thr Pro Val Val			
270	275	280	
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Phe Pro Pro Gly His Ala Pro Tyr Val Val Pro Val Gly Tyr Pro Ala			
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<213> Oryza sativa (japonica cultivar-group)

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gac tcc gag ctc gcc tcc ggc cag cag aag cgc cgc cgc cgc aag gtg      208
Asp Ser Glu Leu Ala Ser Gly Gln Gln Lys Arg Arg Arg Arg Lys Val
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cag gag agg aag aaa ggg gta cca tgg act gag gag gag cac aag aaa      256
Gln Glu Arg Lys Lys Gly Val Pro Trp Thr Glu Glu Glu His Lys Lys
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Phe Leu Glu Gly Leu Arg Gln Leu Gly Lys Gly Asp Trp Arg Gly Ile
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Ala Gln Lys Tyr Phe Leu Arg Gln Thr Asn Pro Gly Lys Lys Lys Arg
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cgg gcc agc ctc ttt gat gtt gtt gct gag tgc agt gat gat caa ctt      448
Arg Ala Ser Leu Phe Asp Val Val Ala Glu Cys Ser Asp Asp Gln Leu
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cca agt cct cag agt gtt gga act aag cct cct acc cag gat ata att      496
Pro Ser Pro Gln Ser Val Gly Thr Lys Pro Pro Thr Gln Asp Ile Ile
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cat aca gat cgc ggc gat gtc ccg ata cta agc tat cca gtt gct aga      544
His Thr Asp Arg Gly Asp Val Pro Ile Leu Ser Tyr Pro Val Ala Arg
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ggc ttt aga ggc gat agc gtg cag gtt gat gaa cta act gaa tat gtg      592
Gly Phe Arg Gly Asp Ser Val Gln Val Asp Glu Leu Thr Glu Tyr Val
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aag aga tta aag gcc gcc gag gac atg tcg ctc tcc atg atc tct gga      640

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Pro	Ser	His	Leu	Arg	Ile	Asp	Gly	Ala	Ile	Lys	Gly	Leu	Gly	Ser	Lys		
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Cys	Pro	Pro	Cys	Cys	Cys	Leu	Leu	Leu	Leu	Phe	Phe	Phe	Phe	Phe	Phe		
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Val	Phe	Gly	Ser	Cys	Gly	Val	Ser	Phe	Thr	Ser	Phe	Ile					
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tgc	cgg	acg	tgc	ccc	aac	cgc	ggg	gtc	aag	atc	ttc	ggg	gtg	cgc	ctc	156	
Ser	Arg	Thr	Cys	Pro	Asn	Arg	Gly	Val	Lys	Ile	Phe	Gly	Val	Arg	Leu		
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Thr	Asp	Gly	Ser	Ile	Arg	Lys	Ser	Ala	Ser	Met	Gly	Asn	Leu	Ser	Leu		
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caa gag aca gag tct act tct ctt tca tta aat ctg gta gga ggt caa	972

Gln Glu Thr Glu Ser Thr Ser Leu Ser Leu Asn Leu Val Gly Gly Gln
 290 295 300

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 Asn Arg Gln Ser Ala Phe His Ala Asn Pro Pro Thr Arg Ala Gln Ala
 305 310 315

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 aagttatgct atgtatgaat gtatctgttg tttgtctggc acacatgata aatcactcta 1200
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 <213> *Oryza sativa* (japonica cultivar-group)

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 ggaggcgcg cgcgacgacga ctggttcgcc gcgctcgccg cgagcgtgcc cggggcgagg 180
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 35 40 45
 Phe Ala Ala Leu Ala Ala Ser Val Pro Gly Ala Arg Ser Ala Glu Glu
 50 55 60
 Val Arg Arg His Tyr Glu Ala Leu Val Glu Asp Val Ala Ala Ile Asp
 65 70 75 80
 Ala Gly Arg Val Pro Leu Pro Arg Tyr Ala Gly Glu Glu Ser Ala Ala
 85 90 95
 Pro Pro Asp Gly Ala Gly Ala Ala Ala Ala Ser Lys Asp Gly Gly
 100 105 110
 His Arg Arg Asp Glu Arg Lys Gly Gly Gly Gly Gly Tyr Asp Gly Gly
 115 120 125
 Lys Ser Cys Ser Lys Ala Glu Gln Glu Arg Arg Lys Gly Ile Pro Trp
 130 135 140
 Thr Glu Glu Glu His Arg Leu Phe Leu Leu Gly Leu Asp Lys Phe Gly
 145 150 155 160
 Lys Gly Asp Trp Arg Ser Ile Ser Arg Asn Phe Val Ile Ser Arg Thr
 165 170 175
 Pro Thr Gln Val Ala Ser His Ala Gln Lys Tyr Phe Ile Arg Leu Asn
 180 185 190
 Ser Met Asn Arg Asp Arg Arg Arg Ser Ser Ile His Asp Ile Thr Ser
 195 200 205
 Val Thr Ala Gly Asp Gln Val Ala Ala Gln Gln Gly Ala Pro Ile Thr
 210 215 220

Gly His Gln Ala Thr Gly Asn Pro Ala Ala Ala Ala Leu Gly Pro Pro
 225 230 235 240
 Gly Met Lys His His His His His His Pro Gly Gly Ala Pro Pro Pro
 245 250 255
 Met Pro Met Tyr Ser Ala Ala Pro Met Gly His Pro Val Ala Gly His
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 His Gln
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<211> 276

<212> PRT

<213> *Oryza sativa* (japonica cultivar-group)

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 35 40 45
 Thr Glu Glu Glu His Lys Lys Phe Leu Glu Gly Leu Arg Gln Leu Gly
 50 55 60
 Lys Gly Asp Trp Arg Gly Ile Ser Lys Asn Phe Val Thr Ser Arg Thr
 65 70 75 80
 Ala Thr Gln Val Ala Ser His Ala Gln Lys Tyr Phe Leu Arg Gln Thr
 85 90 95
 Asn Pro Gly Lys Lys Lys Arg Arg Ala Ser Leu Phe Asp Val Val Ala
 100 105 110
 Glu Cys Ser Asp Asp Gln Leu Pro Ser Pro Gln Ser Val Gly Thr Lys
 115 120 125
 Pro Pro Thr Gln Asp Ile Ile His Thr Asp Arg Gly Asp Val Pro Ile
 130 135 140
 Leu Ser Tyr Pro Val Ala Arg Gly Phe Arg Gly Asp Ser Val Gln Val
 145 150 155 160
 Asp Glu Leu Thr Glu Tyr Val Lys Arg Leu Lys Ala Ala Glu Asp Met
 165 170 175
 Ser Leu Ser Met Ile Ser Gly Leu Glu Met Ala Ser Ser Ser Ile Ser
 180 185 190
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 195 200 205
 Ile Lys Gly Leu Gly Ser Lys Pro Asn Phe Pro Pro Lys Glu Phe Gly
 210 215 220
 Ser Ala Ser Ala Thr Val Phe Cys Pro Pro Cys Cys Cys Leu Leu Leu
 225 230 235 240
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 <213> *Oryza sativa* (japonica cultivar-group)

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